

Bulletin

University of Toronto

Friday, November 12, 1976

No. 12 30th Year

944 vote Yes, 407 No to UTFA Draft Agreement

Faculty members and librarians have voted 944 to 407 to support the Draft Agreement on collective bargaining prepared by the U of T Faculty Association, Jim Daniels, President of the Association, announced Nov. 8.

Approximately 2300 ballots were mailed to eligible staff members, and Daniels said he was "pleasantly surprised both by the high turnout and by the high degree of support. 'We thought we were going to win,' he said, 'but we didn't know it would be this overwhelming.'"

No comment has yet been made by the University administration.

Figures released by the Faculty Association indicate that voter turnout was heaviest in the Faculty of Arts and Science, where, of the 506 UTFA members who returned their ballots, 412 voted in favour of the Agreement.

The ballot was so designed that the votes of non-members of the Faculty Association were placed in a separate category, instead of according to Faculty, with the

result that it is impossible to determine precisely how many Arts and Science professors voted and to what effect.

Of the 292 non-members of UTFA who voted, 142 were in favour of the Agreement, 150 were against.

In the Federated Colleges, 66 voted for the Agreement and 26 voted against; and in the professional Faculties, 207 were in favour and 96 were not.

Among librarians (both members and non-members of UTFA), 117 voted Yes to the Agreement and 41 voted No.

Representatives of the Faculty Association say they hope to begin negotiations with the Governing Council concerning the Draft Agreement "immediately". A negotiating committee has been formed, consisting of Professors Jean Smith (Political Economy), Chairman; K.C. Smith (Engineering); Charles Hanly (Philosophy); Mary Eberts (Law); and Carole Weiss (Library).



Surely, Joe Goering didn't learn how to swing a bat like that by studying the Venerable Bede! Goering, and fellow medievalists Mary-Catherine Bodden (catcher) and Jim Hassell (behind Mary-Catherine's mitt), recently beat Phys. Ed. for the graduate students' softball championship. See story on Page 3.

Higher education study

A major study of how Canadian society has organized its systems of higher education may for the first time provide a broad basis for critical analysis and review.

According to U of T Professor of Higher Education Dr. Edward Sheffield, co-ordinator for the study, little is known outside individual provinces about how or why the structures for higher education in Canada have evolved as they have.

Prof. Sheffield says he suspects there has been a tendency to "copy or invent solutions" with little guidance from research. He also notes the diversity of post-secondary educational systems within Canada.

"We have a wide range of experience," he says, "but we've never reviewed and analyzed them on a country-wide basis."

The study is sponsored by the International Council for Educational Development, with financial

support from the Canada Council and from the West German Krupp Foundation. It will result in a report analyzing and describing the design and functions of the Canadian systems of higher education, and their management and effectiveness since 1939. Emphasis will be given to the years 1960 to 1976.

The main objective is to gain a perspective that may aid further improvement of the relationships between educational institutions and other sectors of society — notably governments.

TYP Task Force conducts last two open hearings

This week, the Transitional Year Program (TYP) Task Force, chaired by Father John Kelly, President of St. Michael's College, held the last two of four open hearings on the suspended Program.

On Nov. 8, Wim Kent, the University's Director of Admissions, advised the Task Force of the present admissions policy for mature or "non-matriculant" students; Woodsworth College Principal Arthur Kruger discussed

Woodsworth's pre-University Program; Patrick, Phillips, U of T's Chief Awards Officer, explained the kinds of financial assistance available to TYP students; and William Saywell, Principal of Innis College, discussed how the Program might best be administered.

On Nov. 10, Mike Carson, President of the Ontario Anti-Poverty League, emphasized the urgent need in Toronto for a program such as

TYP; Mrs. Kit Shaw of the Native Canadian Centre explained how it could best serve native students; and Duncan Green, Director of Education for the Toronto Board of Education, indicated that the Board might co-operate with the University in a revived TYP.

The final report of the Task Force is likely to be in the hands of the Provost before Christmas recess.

Institute studies Canada's scientific and technological history

How many of us are aware that Alexander Graham Bell carried out research on a hydrofoil prototype in Nova Scotia? This and other little-known facts are part of Canadian technological and scientific history, says Prof. Bruce Sinclair, director of U of T's Institute for the History and Philosophy of Science and Technology.

"Our technological heritage goes far beyond building bridges, canals and railroads, or growing new kinds of wheat," Sinclair states.

The Institute, the first of its kind in Canada, was established five years ago and is located on the fourth floor of the Textbook Store.

It differs from most other Institutes, Prof. Sinclair points out,

in that it has a core faculty, and teaches both graduates and undergraduates.

"But we're primarily concerned with research and graduate teaching, like most of the other special units in the School of Graduate Studies," he says.

In spite of its specialized nature, the Institute offers an unusually broad range of courses from ancient astronomy and medieval physics to the history of Canadian technology, and the relations between science and agriculture. It co-operates closely with the Departments of History and Philosophy, the Centre for Medieval Studies, and the Hannah Institute for the History of Medical and Related Sciences.

The Institute also sponsors the largest centre in North America for the study of Mathematics. *Historica Mathematica*, an international journal of the history of mathematics is produced at the Institute and edited by Professor Kenneth May, a well known mathematical historian. He's also currently preparing an index to the *Historica Mathematica*, Volumes 1-90, 1894-1974, and plans to use the computer to complete a thesaurus of mathematical names.

Sinclair attributes the Institute's strength and interdisciplinary character to its affiliate staff who are cross-appointed from other University divisions and who share the teaching and research.

Professor Charles Hanly of the

Department of Philosophy is an Institute affiliate who teaches a course on the history of psychoanalysis, with special attention to Freud's insights into the mind. Another affiliate, Ursula Martius Franklin, Professor of Metallurgy and Materials Science, lectures on ancient materials and show the students how to assess the age and manufacturing process of artefacts.

"Our interpretation of the history of science is broader than might be imagined," says Sinclair. "One of our professors, Trevor Levere, a Killam award winner, is studying the interaction between nineteenth century scientist, Humphry Davy and the poet Samuel Coleridge, who was keenly inter-

ested in science." At that time, Sinclair explains, poets, philosophers, and scientists exchanged views freely and often influenced each other's conclusions.

Another professor, Stillman Drake, has just received his second Guggenheim Fellowship and will leave shortly for Italy where he will study the chronology of Galileo's scientific activities. Because many of Galileo's notes were not dated, Drake will rely on clues provided by watermarks and ink analysis to deduce the dates of the scientist's observations.

Professor Mary Winsor is currently on study leave at Harvard where she is examining the history

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FORUM

Issue of faculty citizenship further confused by statistics released by COU

To the Editor:

In a letter printed in your Oct. 8 edition I raised a number of questions concerning the brief on faculty citizenship which was written by Provost Donald Chant and Vice-President of Internal Affairs Frank Iacobucci. Some of these questions dealt with the statistics which were used in that brief. I have so far received no answer (satisfactory or otherwise) but some figures recently released by the Council of Ontario Universities make the issue worth a second treatment.

Messrs. Chant and Iacobucci claim, *inter alia*, that the percentage of permanent staff hired at the University of Toronto in 1975-76 which was either Canadian or landed immigrant was 96%. The question which I asked was: how many of those included as landed immigrants were such before the University made its offer of employment?

The COU figures add to the mystery. They show that of all full-time academic staff hired at this University in 1976-77, 68.4% were Canadian citizens and 12.7% were already landed immigrants, for a total of 80.1% in the combined category of citizens and landed immigrants. Though this figure

pertains to a different year, one would expect it to be at least roughly comparable to that quoted in their brief. It isn't, and I can think of three possible explanations for the discrepancy:

(1) The COU figures exclude and the brief's figures include those who became landed immigrants as a result of their appointment. This suspicion is strengthened by the statement by Dr. John B. Macdonald, Executive Director of COU, to the effect that 1976-77 was the first year in which information was gathered on immigration

status at the time the offer of employment was received. If Messrs. Chant and Iacobucci were including only those who were already landed immigrants one wonders where they got their information. If not then I stand by my earlier statement that they are guilty of the basest form of statistical distortion.

(2) Both sets of figures use the same definition of landed immigrant status but in one year the number of new appointees who were neither citizens nor landed immigrants rose from 4% to 20%. If

this is the case then the reassurances offered us in the brief concerning our own recent hiring trends seem rather cold comfort.

(3) The COU figures are collected for all full-time new appointments while the brief's figure was for "permanent staff" only. Two facts should be noted. One is that the COU data exclude those hired as visitors in the sense of retaining a permanent affiliation with some other institution, though they include those hired as sessional rather than tenure-

stream appointments (it is unclear whether the brief's figures include or exclude sessional appointments). The other is that if this really is the explanation of the discrepancy then it follows that the percentage of Canadians and/or landed immigrants among our sessional appointees must be very low indeed. And that is no cause for comfort either.

Which of these potential explanations is correct only the authors of the brief can tell us and I await their statement. Meanwhile we may mull over the following facts. In 1976-77, after all these years of public discussion of the citizenship issue, this University still hired only 68.4% Canadian citizens among its new full-time appointees — a figure lower than the fraction of Canadian citizens (72.8%) among its faculty in 1975-76. Finally, both for Canadian citizens and for landed immigrants this University's figures were below the provincial average. Is it any wonder that those of us who have been concerned in the past refuse to be reassured by the trends of the present?

Sylvia M. Hvidsten
Secretary
University College

L.W. Sumner
Associate Professor,
Department of Philosophy

More money could be saved by attending to taps, mail, lights

To the Editor:

Further to *Bulletin* item of Oct. 29, regarding energy conservation:

Suggestion: Do not replace the fluorescent lighting tube when one fails. Most rooms do not need all the illumination given by these lamps, and some people refuse to use them at all, since they are over-bright. It might be worth checking to see if some tubes could be removed before they burn out.

Instructors and students might be requested to turn off lights in lecture rooms when the class is

over — unless a new class is already entering the room. I am constantly turning off lights in my area of U.C.

No trouble for me to keep the heat down! I dress for cycling as long as possible and feel smothered by an overheated office.

I never could understand why the University decided to send all pay cheques, or notification of same, to home addresses. By sending this advice to the office addresses, wherever and whenever possible, the University would save \$1.20 per person, per year, which multiplied by several

thousand, would really be a saving, and the information would probably be received sooner.

The spring in the cold tap in the Ladies Staff Room (U.C. 258) no longer turns it off and the user has to adjust it to prevent wasting a steady stream of water.

And, while I am making suggestions, I could say, along with several hundred other cyclists no doubt, please fix the curb at the Hoskin end of Tower Road!

Many faculty members are ill-informed concerning role of clinicians in University

To the Editor:

I could not help but take note of the letter of Professor John S. Holladay, Jr. (Oct. 29), responding to the prior letter of Professor B. Berris. In Professor Holladay's letter, he suggests that Clinicians in the teaching hospitals have "links with the University which are largely nominal". He notes that there are 1,000 M.D.s in Toronto, who carry "nominal" faculty status at the University of Toronto, whose employment and real professional allegiances are elsewhere.

Whatever else were the merits of Professor Holladay's letter, it is clear that his comprehension of the role of many of these Clinicians is remarkably ill-informed. For some of these Clinicians, it is, of course, true that their relationship with the University is minimal. However, many (if not most) of these same physicians regard themselves as academics whose prime roles are those that other academics also play. These roles include undergraduate and post-graduate teaching, research and administration. In fact, in terms of time allotment, the practice of medicine takes a relatively small fraction of their total time. It is true that there is indeed a component of practice which is, as the writer properly stated, an essential in-

gredient, since in undergraduate and post-graduate medical training, clinical medicine in teaching hospitals cannot be divorced from education. It is therefore essential that our medical teachers are, simultaneously, excellent Clinicians.

I really cannot help but feel that this relationship to the University is not understood by other faculties,

perhaps because of the very point raised by Professor Holladay, namely, that there are additional sources of income available to such Clinicians which allow them to be at least in part free agents. However, for Geographic Full-Time Physicians, support derives in large part from the University, and in part from outside sources, though the total support is con-

trolled by arrangements with the University Department Head.

I am thus in considerable disagreement with the principle advanced by Professor Holladay vis-à-vis the exclusion of Clinicians from considerations relating to other academic personnel. However to be candid, I can recognize that at least the ability to make part of our living from outside sources

may itself place us in a separate category. The more, of course, that this outside source is depended upon for annual support, the less academic a physician is able to be, since his time will be increasingly encroached upon by service needs. Nevertheless, at least this outside source does give us a certain degree of freedom from the financial constraints of the University, and we are thus perhaps not quite so threatened by current trends in academic financing. For this reason, perhaps it is fair to exclude us from a Draft Agreement, providing the role of Clinicians in University affairs is fully understood.

Rhonwyn Breen,
Faculty Secretary,
Institute for the History and
Philosophy of Science and
Technology

Robert Volpé, M.D., F.R.C.P. (C),
F.A.C.P.
Professor, Department of
Medicine,
Physician-in-Chief,
The Wellesley Hospital

UTSA's voracious counter-attack an embarrassment to members

To the Editor:

It seems to me that too much has already been made of Professor Daniels' ill-chosen remark about the relationship between faculty and administration (*Bulletin*, Oct. 29, p.2). I understand what he meant to say; am I the only one?

Administration and faculty alike are the servants of education, and the hierarchy within that "servitude" demands that the faculty teach and do research and that the administrative staff maintain an environment efficient for and conducive to that end. There cannot be one without the other, and there is nothing demeaning in that symbiosis.

I am embarrassed at the defensive "coming up from under" attitude suggested by UTSA's

strongly-worded "counter-attack". This is not the way I want UTSA to assure me that it looks voraciously after my interests; indeed, I am afraid that erecting such straw dogs only fosters dissatisfaction.

Are we really engaged in a battle with the faculty, wrestling crumbs of reform from a let-them-eat-cake upper class? I don't think so. We are engaged in the always

complicated, sometimes very tedious, process of revising policies appropriate once perhaps but by now bedecked with cobwebs. It takes a lot longer if we go in with our dukes up.

Care taken with ballot count was not reflected in mailout

To the Editor:

The *Bulletin* of Nov. 5 carries the information that the vote on the Draft Agreement will be counted by a three-man panel headed by a

justice of the Ontario Supreme Court. What is the point of such extreme care in the counting of ballots, however, when so little care was exercised in their distribution? Any thought that UTFA could

act as a reasonably efficient and considerate agent for faculty members must have been dispelled by its failure to send ballots to many members of the faculty, and its reluctance to take corrective action. It did concede that members of the staff who had not received ballots might vote if they appeared at the UTFA office, but this was hardly a satisfactory manner of carrying out its commitment to poll the entire faculty.

Still if I had received a ballot I would not have known whether I ought to vote. Since the Agreement proposes that UTFA undertake negotiations with a different entity from the one with which I have a contractual arrangement, I do not see that it involves me directly. The federated colleges are mentioned in one of the clauses of the Agreement, but surely that inclusion cannot be construed as empowering UTFA to negotiate with my college. Only a special ballot of the St. Michael's faculty could give UTFA such authority.

D.J. Dooley,
St. Michael's College

Light shed on Bulletin's history

To the Editor:

I note from the upper right hand corner of the *Bulletin* that you announce this as the thirtieth year of publication. However, I should like to take the opportunity to point out that when I joined the staff of the University of Toronto in September, 1944 the *Bulletin* was already in existence and had been for some time, published by the then Department of University Extension under the direction of Dr. W.J. Dunlop. Dr. Dunlop was at

that time also Acting Director of the University of Toronto Press in the absence of Gordon Burns who was on active service.

I very much regret that I am unable to provide you with the original date of publication. Since the *Bulletin* was published by the University of Toronto Press, it is possible that they would have a record of the volume numbers.

Margaret Pratt,
Secretary,
Woodsworth College

Safety seminars

The Safety Section of the Personnel Department is offering a series of composite seminars on Safety Management. They are open to all Supervisory Staff. The first seminar, "What is Accident Prevention" will be conducted in Room 809, 215 Huron Street, on November 24, 1976, from 2 to 3.30 p.m.



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Medieval scholars master Beowulf and baseball

by Mary-Catherine Bodden

What have the Dark Ages, let alone the High Middle Ages to do with anything? Most students of Medieval Studies have been asked this question dozens of times, usually when home for Christmas holidays, and usually by friends and relatives.

But a more intriguing question on the campus of the University of Toronto these days, is "What has the study of the Middle Ages to do with sports?" For it seems that in the University's intramural sports of track, football, and softball, the graduate students of the Centre for Medieval Studies are raising eyebrows and setting records.

In fact, only a few Saturdays ago, a softball team composed of five men and five women from the department's graduate students won the University Softball Championship with a score of seven to one against their toughest and most gallant opponents — Physical Education. Moreover, in the intramural football competition, the Medieval Centre's students have won five games and are now heading into the playoffs for the championship. And last year when

they entered the 400-meter relay in the University-wide track competition, they won with yards to spare.

So when spectators at these events began to ask "What is it with these people from the Medieval Centre? I mean, don't they study the Dark Ages and all that sort of weird stuff? So what's it got to do with sports?" we decided to check out a couple of theses underway by several of these students, hoping to find a relationship between their *mens sana* and *corpus sanum*.

What we found was this: their third baseman's thesis is a study of the *Speculum juniorum*, a manual of practical theology in the 13th century; their pitcher's, Langland's *Library* — a study of the sources of *Piers Plowman*; and their catcher's thesis is a study of advanced education in 10th and 11th century Anglo-Saxon England.

Nor are their fans your basic cheerleader. Below is their Victory cheer (loosely based on Venerable Bede's recorded hymn of Caedmon, the Anglo-Saxon poet).

Nu sculon herigeas
Goeringes grama
Bodden blaedgifa
Ennes beadomece
Wyrpas Cwices
Hooda hearing
Weorc drihte uncere
Sigebeorhte,

Hasseles earm,
ond Celano strang
Bennett stid,
Englices meaht,
Marce mod,
ond Kowaleski cyne
swa heo seofona gehwaes,
syllice feng.

A translation is provided for the faint of heart.

Now let us praise

The grimness of Goering,
Bodden, bringer of joy,
The battle-stroke of Enns,
The throws of Quick,
Hood the hard warrior,
The work of our team,
Bright with victory,

the arm of Hassell,
and Celano strong,
mighty Bennett,
the power of English,
the courage of Marcus,
and Kowalski, the Keen,
as it each of seven runs
joyfully scored.

On the other hand, maybe the only relationship between their intelligence and their success is that they're smart enough to enter only those sports in which they think they've got a chance.

Scarborough gives students SOAP

For students floundering in the University environment, the Principal's Office at Scarborough College has a solution — SOAP. The Student Orientation and Advisory Project was designed by Jon Dellandrea, Assistant to the Principal, to help students make the transition from high school to university life.

SOAP is staffed by fifteen

students in their third and fourth years who work two to four hours a week on a volunteer basis. Fourth year arts student Robert Gardner, as project co-ordinator, is responsible for its daily operation.

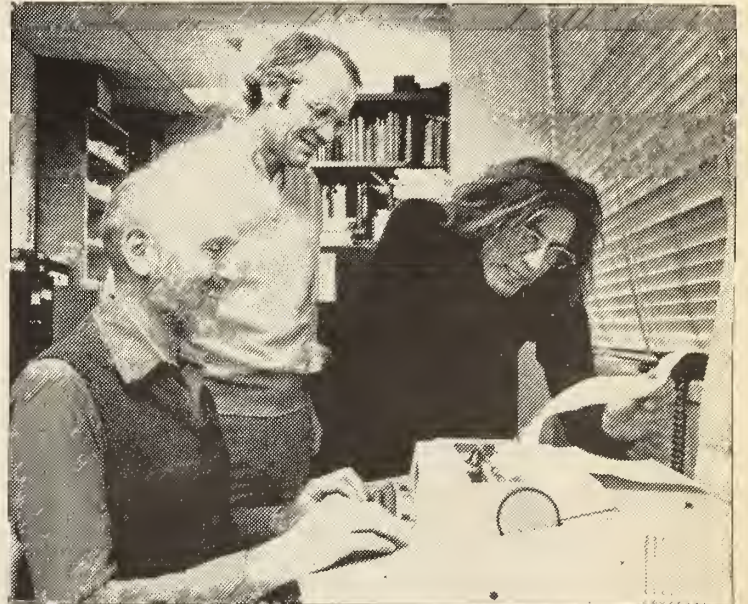
Counselling is provided in such areas as organizing time, studying effectively, relating to professors, getting involved in college social life, or simply finding one's way on

campus. The first three weeks of the program have proved an overwhelming success with 11 percent of the total full-time undergraduate population using the service.

SOAP's student co-ordinator, Robert Gardner, says "The first few weeks of our operation have shown us that the need for this service does exist. Students seem less apprehensive about approaching other students for advice, especially on routine matters. At first we handled some pretty silly questions, but once students became used to our presence, the serious advising began."

Liaison has been established with the College's Student Services, Academic Services, the High School Liaison Office, and the Teaching and Learning Unit. Rather than duplicate existing services, the program will refer students to such agencies.

Future plans for SOAP are extensive. On the immediate horizon is a close working relationship with faculty advisers who, it is hoped, will work with student advisers in the SOAP office.



Institute for History and Philosophy of Science and Technology faculty members (left to right) Kenneth May, Bruce Sinclair and Noel Swerdlow.

Technological studies

Continued from Page 1

of the Museum of Comparative Zoology and its impact on biological research.

The director's own research includes the examination of the history of engineering in Canada and the U.S., the impact of American technology on Canada, and the emergence of a distinctive Canadian "style" of technology.

Canada's contributions to science and technology are being brought to the public's attention through lectures, colloquia, and textbooks. Prof. Sinclair has colla-

borated with two of his graduate students in editing a history of Canadian technology, entitled *Let us be Honest and Modest*. Trevor Levere has collaborated with R.A. Jarrell, an Institute graduate currently on the faculty of York University, to write a book, *A Curious Field-Book*.

Other Institute graduates are teaching, working in the federal archives, and two are doing research on Alexander Graham Bell's contribution to hydrofoil technology and to medical research — little known folds in the fabric of Canada's technological history.

Computer Produced Bibliographies

Take advantage of the U of T Library's new computer based catalogue information services.

The Library is once again offering computer produced bibliographies of books in its collections, and now two formats of bibliography are available:

1. bibliographies printed directly by computer
2. bibliographies produced via printout of the computerized microcatalogue.

Costs vary according to the size of the bibliography although the average cost is estimated to be about \$3.

For more information, enquire at the Reference desks of: Roberts Library; Science and Medicine Library; Engineering Library; Sigmund Samuel Library.

Sociology head sought

Professor I.M. Zeitlin's term as chairman of the Department of Sociology expires on June 30, 1977. The Provost has approved the following committee to look for and recommend the appointment of a successor:

Dean R.A. Greene, Chairman; Dean J.M. Ham, School of Graduate Studies; Dean R.H. Farquharson, Arts and Science; Professors J.B. Kervin, Sociology -

Erindale; L.R. Marsden, Sociology; W. Michelson, Sociology; J.G. Reitz, Sociology; P. Silcox, Political Economy.

The committee would be pleased to receive any comments or suggestions. These may be made verbally or in writing to the chairman or any member of the committee as soon as possible and in any case not later than Nov. 22.

The University Department of French is now located at 7 King's College Circle, along with the Department of English and the Science and Medicine Library. The telephone number of the Department of French is 978-3167.

Environmental sleuths solving weather's mysteries

Two twilights early in October were remarkable for the way they bathed the city in a lingering orange light. Dr. Kenneth Hare looked out of his office window in the Institute for Environmental Studies and recognized the mysterious crepuscular glow visible in Toronto when Saskatchewan's dust is blowing across the sunset. It's the same effect seen in California when the Santa Ana blows, and in Africa when the Hamattan blows, colouring the desert in pastels and fiery reds.

"It doesn't mean that the dustbowl days are returning," says Dr. Hare, a climatologist, University Professor and director of the Institute, "But such sunsets are reminiscent of those seen in the 30s and without the careful, conserving methods of farming that avoid over-grazing, the dusty, drought days could return to the North American plains."

The world's weather is constantly changing, says Dr. Hare. After an unprecedented warm period, the mean surface temperature has been dropping since 1965, but has now levelled off. Since 1965, decreasing rainfall in some areas and an increased birth rate have contributed to the current increase in the world's deserts, a phenomenon called "desertification".

"For instance, when the rainfall is above average and the food adequate," says Dr. Hare, "the people living on the Sahael, on the southern edge of the Sahara, have more children and in turn have to buy more animals to

feed them. The animals use increasing areas of grazing ground and when the rains fail, famine and death often follow. The people are then forced to find fresh pasture, leaving behind new desert created by over-grazing and pounding hooves."

The 1972 drought, the worst for a century, caused near-disaster among the people of the Sahael living in Niger, Chad and Mali. Independent of French rule for only a few years, they blamed their methods of farming for upsetting the weather.

At this point several of the Third World countries sought help from the United Nations. And although many of the advanced countries — including Great Britain and the United States — were opposed to an investigation of desertification, the General Assembly supported it. "As a result," says Dr. Hare, "two major world conferences will be held in 1977, one in Nairobi, on desertification, and the other in Argentina, on water. The conferences will advise UNESCO, the World Bank, and other international bodies on the need for a common plan of action and a common understanding."

Some of the studies being done at the Institute for Environmental Studies will contribute to these two important conferences. In fact, many of the Institute's associates come from other parts of the world, and, like environmental detectives, they girdle the globe,

moving backward in time, seeking clues that can be used to understand the present and predict the future.

One associate, Emanuel Oladipo, a Commonwealth Scholar from Nigeria, is studying the patterns of rainfall in Africa. Tzvi Gal-Chen, originally from Israel, is building a mathematical model of world climate. Keith Hendrie, a climatologist from South Australia, and a post-graduate student in the Department of Geography has studied world weather recorded over thousands of years.

Dr. Hare explains that Hendrie gathered his data from many sources including core samples taken from the bottom of bogs and lakes. "Many lakes have a 50,000-year-record of accumulated pollen," he says. "From pollen, you can establish the nature of vegetation around a lake. You can also infer the climate and, in some cases, gather further data through radiocarbon analysis. Ice, and shells from the ocean's floor, can also yield valuable information about past weather."

Dr. Hare believes the Institute is making a significant contribution to the world's understanding of the desert's delicate ecosystem — and to keeping those eldritch and foreboding sunsets to a minimum.

R.S.

EVENTS

FRIDAY NOVEMBER 12

The Laser Revolution in Spectroscopy (Colloquium) Prof. Boris Stoicheff, Department of Physics. 158 Lash Miller Chemical Laboratories. 4 p.m.

SATURDAY 13

Revolution in the Earth Sciences (Lecture) Dr. J. Tuzo Wilson, director general, Ontario Science Centre; Distinguished lecturer, U of T. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)

U of T Concert Choir, University Singers and Orchestra, conductor Charles W. Heffernan. The St. John Passion (Bach) MacMillan Theatre, Edward Johnson Building. 8.30 p.m. Tickets \$2, students and senior citizens \$1. Box office 978-3744.

Hamlet (Film Festival '76) Nicol Williamson. North auditorium, OISE, 252 Bloor St. W. Single tickets \$1. Telephone 978-5076. (Woods-worth College Students' Association)

SUNDAY 14

Peter Pears, tenor; **Osian Ellis**, harp. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. Tickets \$7 orchestra; \$4 balcony. Box office 978-3744. (Music and Canadian Aldburgh Foundation)

Santa Claus Parade Party. Annual event for Hart House members and guests. Magician. Hot chocolate, hot cider and cookies. Great Hall following parade.

MONDAY 15

Organ Recital (Second of four in Fall series) **William H.M. Wright**, director of music, Deer Park United Church. All J.S. Bach program. Admission \$1 at door. Convocation Hall. 5.05 p.m.

Caravan Nov. 15 to 19. Foyer, Sidney Smith Hall. (WUSC)

TUESDAY 16

Pilgrimage in the Middle Ages (Colloquium) Lectures: **The Holy Year at Rome and Santiago de Compostela**, Dr. Bernhard Schimelpfennig; **Pilgerfahrt Macht Frei: Pilgrim's Privileges in the Middle Ages**, Dr. Ludwig Schmutge. Both speakers from Free University, Berlin. Institute Common Room, 59 Queen's Park Cresc. E. 4.15 p.m. (Centre for Medieval Studies and Pontifical Institute of Mediaeval Studies)

Valerie Raeburn, flute. Music Room, Hart House. 1.10 p.m.

WEDNESDAY 17

Mummies and Magic: An Introduction to Ancient Egyptian Funerary Beliefs and Practices (Lecture) Lanny Bell, assistant in Egyptian section, University Museum, Philadelphia; instructor in Egyptology, University of Pennsylvania. Planetarium lecture room. 4.30 p.m. (Archaeological Institute of America)

Physicians of Phrase and Fame (Lecture) Dr. W.E. Swinton, Hannah Lecturer in the History of Medical and Related Sciences Fall '76; Centennial Professor of History of Science Emeritus. 2172 Medical Sciences Building. 5 p.m.

Kabuki (Lecture with filmed Kabuki play: **The Camp of Kumagai**) Nakamura Tetsuro, Japanese critic of classical drama. Room 205, Faculty of Library Science theatre. 7.30 p.m. (East Asian Studies)

Class Consciousness and Division of Labour in the Paper, Pulp and Logging Industry of Quebec (Soci-

ology colloquium) Prof. Camille Legendre, McMaster University. Lounge, Borden Building. 2.45 p.m.

Yellow Plus Blue Makes White, and Other Studies about Hue Perception (Psychology colloquium) Prof. David H. Krantz, University of Michigan. 2135 Sidney Smith Hall. 4 p.m.

The History of the Botany Department of the U of T (Departmental seminar) Dr. D.F. Foward, Botany Department. Room 7 Botany Building. 4.10 p.m.

What Price Retirement? (UTSA Lunch Bag Forum) James Hillhouse, actuary for U of T pension plan. Innis Town Hall. 12.15 — 2 p.m.

Jack McFadden Quartet (Jazz concert) East Common Room, Hart House. 12 noon.

Ireneus Zuk, concert pianist. R-3103 Scarborough College. 12 noon.

THURSDAY 18

Development of Watercolour Technique (Lecture) Osvald Timmas. Art Gallery, Erindale College. 12.30 p.m.

Gold Rush to the Klondike (Last in series of eight lectures complementing **Gold for the Gods** exhib-

ition) Pierre Berton. ROM Theatre. 8 p.m.

Workers' Control on the Soviet Railroads and Some Problems of Labour History, 1917-21 (Seminar) Prof. William G. Rosenberg, University of Michigan. Upper Library, Massey College. 2 p.m. (Russian & East European Studies)

Drama as a University Subject (Meeting, University Arts Women's Club) Prof. Ann Saddlemeyer, director, Centre for the Study of Drama. St. Thomas' Church Hall, 383 Huron St. 1.15 p.m. Guests welcome, nursery facilities available.

John Frederick Nims (St. Michael's Poetry Series) BCD Brennan Hall. 4.10 p.m. (Student Union, SMC; SMC English Department, SMC and Canada Council)

The Mock Doctor (Molière) and **The Yogi and the Courtesan** (Bodhayana) Hart House Theatre, Nov. 18-27, no performance Sunday or Monday. 8.30 p.m. Tickets \$3, students \$1.50. Box office 978-8668.

FRIDAY 19

Ion Transport and Osmotic Regulation in Giant Algal Cells (Research seminar) Dr. John Gutknecht, Duke University. Room 207-C, Botany Building. 12 noon.

Urban and Regional Planning

A Search Committee has been approved to recommend a new Chairman for the Graduate Department of Urban and Regional Planning, effective July 1, 1977, for a five year period. Members of the Search Committee are:

Professor Donald Kerr, Associate Dean, Division II, (Chairman); Professor Allen Scott, Urban and Regional Planning and Geography; Associate Professor Reiner Jaakson, Urban and Regional Planning; Associate Professor Robert McCabe, Urban and Regional Planning; Mary Rose, Marshall, Macklin and Monaghan; Professor Thomas Hutchinson, Botany; and Professor William Michelson, Sociology.

Any comments or suggestions may be directed to any member of the Committee.

Ontario Graduate Scholarships

The fellowship office of the School of Graduate Studies advises students intending to apply for Ontario Graduate Scholarships that application forms have been distributed to departmental graduate secretaries. Deadline date for submission of applications to departmental offices is **December 1**.

There are a number of changes in this year's program:

- (1) The value of the scholarship has been increased to \$1,400 per term. However, students will be responsible for payment of their fees.
- (2) This year some landed immi-

grants are eligible on the same basis as Canadian citizens. For details see the brochure in departmental offices.

- (3) Special provisions have been made for recent landed immigrants and those on student visas. For more details see the brochure.
- (4) Students receiving an Ontario Graduate Scholarship may hold other awards up to a total of \$1,000.

Students are reminded that, if eligible under the terms, they must apply for an Ontario Graduate Scholarship if they wish to be considered for a University of Toronto Open Fellowship.

RESEARCH NEWS

1977-78 EMR Research Deadline Dec. 15

Energy, Mines and Resources Canada has issued a revised information guide on research agreements and application forms that will be available soon. A sample is on file at ORA. Dec. 15 is the closing date for receipt of applications.

Proposals will be entertained from disciplines in the natural, physical and social sciences and engineering for research with potential significance for facilitating the better use of mineral and energy resources and providing information on Canada's land-mass. Multi-disciplinary studies are welcomed.

Call 978-2874 for further information.

Environment Canada 1977-78 Fisheries and Marine Subvention Priorities

For a deadline of Dec. 15, the federal Fisheries and Marine Service is soliciting research agreements in five areas:

- (a) Effects of environmental factors on growth, size and distribution of fish stocks;
- (b) Man's impact on aquatic ecosystems;
- (c) Diversification of the use of marine natural resources;
- (d) Diseases with specific reference to aquacultural or maricultural practices;
- (e) Ecosystems modelling.

Sample guidelines and application forms may be seen at ORA. Call 978-2874.

Two Hart House farces and a Robarts exhibition

Style, that which allows us to recognize and characterize, is demonstrated in two classic farces making up the second presentation in the Drama Centre's current season at Hart House Theatre. Opening Thursday, Nov. 18, is a double bill of *The Mock Doctor*, Molière's *Le Médecin malgré lui*, in an English version by the director Stephen Hannaford, and *The Yogi and the Courtesan*, Bodhayana's *Bhagavadajjukam*, in an English version by Elizabeth Hamilton and the director, David Parry.

Molière's 17th century play joins the elegance of the classic French stage with the rumbustious tradition of *commedia dell'arte*. The conventions of ancient classical Indian theatre have been followed in the production of Bodhayana's Sanskrit farce of the 2nd or 3rd century. In both plays, pretensions are held up to ridicule and underdogs score on oppressors.

Complementing the production of *The Yogi and the Courtesan* is an

exhibition entitled *The History and Conventions of Indian Drama* being mounted in the Robarts Library from Nov. 17 to Jan. 28. Photographs, masks, costumes, art work and artifacts as well as play texts and available literature will provide a survey of the development of Sanskrit drama and present dramatic forms related to the older classical material.

The exhibition is being co-ordinated by Caroline Parry who last year mounted a smaller display to provide background for the PLS production of another Sanskrit farce, *The Sport of the Drunken Monk*.

The exhibition is sponsored jointly by the Drama Centre and Sanskrit and Indian Studies. To mark the opening on Wednesday, Nov. 17, they will act as hosts for afternoon tea at 4.30 p.m. in the exhibition area of the Robarts. All interested members of the University community are invited to attend.

Victoria seeks Chief Librarian

Victoria University is inviting applications for the position of Chief Librarian, the appointment to be effective July 1, 1977 or earlier. Applications in writing will be accepted until February 1, 1977. Additional information and details of requirements for the position are being posted in various departments of the University of Toronto Library and in the Faculty of Library Science.

M. Margaret Slater (Miss), Chairman,
Librarian Search Committee,
c/o President's Office, Victoria University.

JOB OPENINGS

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call:

(1) Sylvia Holland, 978-6470; (2) Wendy Chin, 978-5468; (3) Manfred Wewers, 978-4834; (4) Ann Sarsfield, 978-2112; (5) Beverley Chennell, 978-7308.

Laboratory Technician I (\$8,470 — 9,970 — 11,460)
Zoology (1)

Laboratory Technician II (\$10,370 — 12,200 — 14,040)
Physiology (4), Pathology (4)

Laboratory Technician III (\$11,450 — 13,470 — 15,490)
Microbiology & Parasitology (4)

Library Technician VI (\$10,370 — 14,040)
Science & Medicine (5)

Librarian (\$11,450 minimum)
Criminology (5)

Engineering Technician II (\$12,110 — 14,250 — 16,380)
Medical Sciences Building Central Services (4)

Programmer IV (\$18,350 — 21,590 — 24,830)
Business Information Systems (3)

Clerk IV (\$9,330 — 10,970 — 12,620)
Dentistry (1), Philosophy (1)

Accountant IV (\$13,450 — 15,820 — 18,200)
Library Automation Systems (3)

Administrative Manager (\$20,420 — 24,020 — 27,620)
Computer Centre (3)

Ombudsman's role to be reviewed

The terms of reference of the Office of University Ombudsman require "that, after a trial period of 18 months, a review of the operations of that office shall be undertaken by a qualified Commissioner, unrelated to the University administration, and appointed by a committee of the Governing Council."

Accordingly, the Governing Council hereby solicits the name or names of persons interested in undertaking this review. The review is to commence after March 31, 1977, and to be completed with final report not later than May 31, 1977.

Nominations should be submitted to the Secretary of the Governing Council, Room 106, Simcoe Hall by Dec. 10, 1976, accompanied by a short curriculum vitae and an indication as to whether the nominee is willing to serve.